

REMARKS/ARGUMENTS

Claims 1-7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Allison et al in view of Bearden et al. Applicants' invention provides a method for allowing electric sprayers to operate efficiently in such a way that performance is slightly reduced while maintaining spraying in the event the motor should reach an elevated temperature. Applicants' invention as defined in claim 1 allows the unit to continue spraying but at a controlled reduced pressure level which will reduce the temperature of the unit. There is no suggestion in either of the cited references of record to this controlled pressure stepdown in response to attainment of a predetermined temperature to allow continued spraying. In particular, Allsion is a high pressure water blaster/sprayer that is not designed for spraying abrasive materials (abrasives are injected downstream of the pump (col. 1, lines 40-45) and senses the temperature of the oil not the electric motor as claimed, shutting off the motor when the high temperature has been reached.

Bearden reduces the speed of the motor in response to an over-temperature condition rather than the controlled pressure. When Applicants' invention reduces the controlled pressure, the speed of the sprayer may not be reduced at all depending on the flow and load. Even if the cited references were properly combined (and there is no reason why one skilled in the art would combine a water cutter with a downhole submersible pump other than Applicants' disclosure) the claimed limitations would not be met – namely a variable speed paint sprayer which reduces the control pressure in response to a temperature condition.

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Claim 2 is respectfully submitted to be patentable for the reasons set forth with respect to claim 1 and additionally for the limitations set forth therein. Baer does not disclose the time delay claimed.

The rejection of claim 3 has similar defects and additionally does not show changing to on/off (deadband) control in response to a temperature condition.

Similarly, claims 6 and 7 are respectfully submitted to be patentable for the reasons set forth with respect to claim 5 and additionally for the limitations set forth therein.

Accordingly, it is respectfully submitted that the application as amended patentably distinguishes over the rejection of record

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

/dbf/

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